



Ø BEAT



COLO. SPRINGS,
COLORADO

December 1980

Ten-Ten Anyone??

What is Ten-Ten International?

Ten-Ten International, was originally formed back in 1962 as the Ten-Ten net of Southern California. Its purpose was to promote activity and good operating practices on the ten meter band. During the first few years, it grew slowly, but by 1975 there were 10,000 members, and the word 'International' crept into the name. Today there are over 30,000 members, worldwide, and the Ten-Ten International Net, Inc. is a non-profit entity, incorporated under the laws of the state of California.

Ten-Ten has no paid employees. All its officers and managers serve on a voluntary basis, and are reimbursed for necessary expenses only. With the great expansion of the organization in recent years, it has become necessary to go to computer processing for membership records and mailing labels. This has also permitted publication of a Membership Roster at suitable intervals and has facilitated mailing of the Quarterly Bulletin which Ten-Ten publishes.

Ten-Ten's principal expenses are for printing, postage, and computer processing. Annual dues of \$3.00 provide funds for these and other expenses. New members, (except novices) are required to pay a \$1.00 initiation fee to cover the costs of providing membership cards, wall certificates, and other items sent them when membership is granted. Each new member is assigned a unique "Ten-Ten Number" which is yours even though the call sign may change. The annual dues brings the Quarterly Bulletin and makes you eligible to participate in various activities.

Once an amateur becomes a Ten-Ten member, you may wish to work towards 'Bars' which are awarded for having established contact with other Ten-Ten members on the 10 meter band. A 'Bar' is awarded for 100 such contacts. When the '500 Bar' is attained, you may become a member of the 'International 500 Club' and be

assigned an Honorary V.P. Number in addition to your Ten-Ten number. Ten-Ten awards plaques for 1000, 2500, and 5000 Ten-Ten contacts are also available. There are also special activities for members of the International 500 Club.

Ten-Ten also awards a 'Worked All States' certificate to those who can confirm having established a ten meter contact, including exchange of Ten-Ten numbers, with a Ten-Ten member in each of the fifty states. Confirmation is via QSL card.

All Ten-Ten members are eligible to participate in the contests which are held by the organization twice a year. Logs are submitted to the Contest Chairman, and there are both individual and Chapter recognition announcements of those who have been most successful.

How do you become a member of Ten-Ten International? Work ten present members on 10 meters. Log each 10-10 number, call sign, date worked, operators name and location. Submit this list to your call area manager, (listed below) with \$1.00 registration fee and \$3.00 for your first years dues. Novices need not pay the registration fee, and they also only need to work five present members.

Call area manager:

John LaFontaine
NØADI
7509 2nd Avenue South
Richfield, Minnesota 55423

The local Pikes Peak Chapter can be found operating at 1600Z on Sunday at 28.845 MHz with NØDV, Dave, as the net control station. This net's primary purpose is to permit out of state amateurs an opportunity to work towards one of our 3 Chapter Awards and also to exchange ten-ten numbers. The Pikes Peak Chapter also

(continued on page 5)

P.P.R.A.A. DIRECTORS

PRESIDENT	Dave Vierling NØDV 2511 N. Tejon 80907	473-0293
V. PRESIDENT	*Les Borst WDØGTA 2542 E. Bijou 80909	634-3995
SECRETARY	*Bill Allen NØATE 1341 Doyle Pl. 80915	597-3324
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Board Member	Charleen Colvin WBØYOB 4610 Topaz 80918	598-7704
Board Member	*Al Bailey ADØZ 2715 Alteza Ln. 80917	597-8514

(* Two-year board terms began October 1980)

ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., Colorado Springs, Colorado. Permission is given to reprint articles or excerpts provided credit is given. Deadline for submission of articles is the 21st of the month. Classifieds accepted anytime.

The Pikes Peak Radio Amateur Association meets on the second Wednesday of each month at Sabin Jr. High School, 3605 N. Carefree Circle at 7:30 p.m. and all amateurs and interested parties are invited to attend.

Editor: Don Lohse KBØKQ, 1410 E. LaSalle, Colorado Springs, CO 80907 635-7469

NOVEMBER 1980 PIKES PEAK RADIO AMATEUR ASSOC. MEETING

The November meeting of the Pikes Peak Radio Amateur Association was called to order promptly at 7:30 P.M. by President, Dave Vierling. The date was November 12th, 1980 and the place was Sabin Jr. High.

Doug Moloney gave the Treasurer's report \$343.05 plus \$200.00 from the Colorado Motorcycle Trail Riders Association, for a balance of \$543.05 as of October 27th.

From the old business Dept:

Dave Vierling announced that the Christmas party will be December 6th at 6:00 P.M. (no later than 6:30) at the Iron Springs Chateau. The club must furnish the restaurant with a list of those who will attend by November 28th; so please call Don Lohse or Doug Moloney to make your reservations.

It was announced that should you monitor the U.S. over the horizon radar, you can get a QSL card by writing: OTH Radar Office, U.S.A.F. ESD/OCUE, Hanscom AFB, Maine 01731.

New Business: Dave Vierling introduced the subject of club dues. After some discussion, it was motioned that dues be increased to \$12.00 for individual members; \$15.00 for families, and \$8.00 for Associate Members. The motion was carried by a unanimous vote of the members present.

The need for a high powered publicity director for the club was presented by President Dave Vierling. Biz WDØHCO volunteered - Thanks much Biz.

Warren Rubin announced that the novice classes finished on November 13th. The next classes will be starting soon, so watch for dates and times.

Bob, KØDJ, says to be sure and send your ARRL director ballots in by November 20th. Bob also says that the FCC would like your input with reference to the proposed expansion of the Extra Class phone bands. (See page 62 Nov. QST for details).

Also, be advised of upcoming wheelchair races on or about December 12th. Contact Doug, WBØHPM or Denny, WBØYKH.

Respectfully,
Bill, NØATE

Answers to last month's Tech Ticklers and Brain Teaser.

Joe Ham is 48. Mrs. Ham is 42. Junior is 24. The tower was erected 12 years ago and the tree was planted 9 years ago. The tower is 60 feet high. The tree will foul Joe's beam on his 78th birthday.

#1 — 4 mw #2 — -110dBm #3 — Yes; 0.0024

Wanted: Yaesu FL 2100B, external VFO. Faye Herren, KBOQI. 632-4574.

FOR SALE: Mini Quad. 1½ months old. Complete with balun. Jack Merrell KN4AKW 472-0929.

6 Meter Net-50.55 Tuesday 7:00 p.m. Louie WØPCZ.

MAY THE JOY AND PEACE OF CHRISTMAS
BE WITH YOU TODAY AND ALWAYS.

If it's CW, it's communications.

832-	ALL MAJOR BRANDS	832-
1111	SALES-SERVICE	1111
8-5:30 Mon.-Fri. 8:30-1 Sat.		



PUBLIC SERVICE BEGINS WITH YOU — WHY NOT HANDLE TRAFFIC

Many of todays amateurs have never handled a piece of amateur radio traffic, many have never tuned into a traffic net, many have never received a radio gram, why? You should hear some of the excuses, I can't copy code that well or that fast, I don't know the "Q" signals, I don't have an antenna for traffic net frequencies, and that only is a few.

You do not have to copy code at 35 wpm to handle traffic on CW nets. There are novice traffic nets and many slow speed nets. (See QST December 1976 checking on slow speed nets by Pete Hills WØHXB and Robert Halprin K1XA). And after all, CW is not the only way to handle traffic, there are some people who will argue this point, Hi Hi. Phone nets are found in every state and they do their share of traffic handling.

Message handling is not that difficult. One of the best practices is to listen for a while, pick up good habits from the better traffic handlers, and don't be shy — ask questions if you have doubts — the experienced message handler is easy to pick out, they usually have a very good signal, speak slowly, repeat hard to understand words or spell them out, always say numbers twice and never question a call for say again. They never question the net frequency, they zero beat it and take your traffic. They always do their best to pass it on and they always help others get their traffic under rather than ideal conditions.

Henry Kissinger said, "If you don't know where you're going, any road will get you there." Well, Henry isn't a ham, or I don't think he is, but that's still a good thought for any undertaking.

Two good traffic articles to read are in May and June QST, 1979. The May article is "The Not-Ready-For-Prime-Time Traffic Handlers," It covers many methods and do's and don'ts of traffic handling. The other, the June article, is "How to Send Traffic On Phone." This article by John F. Lindholm W1XX is excellent and should answer many questions that a new comer would ask. For an almost complete guide to traffic nets and traffic information, the ARRL NET Directory is a good guide and was available to ARRL members at no cost.

The standard ARRL Radiogram form has quite a background and long tradition. Louise Moreau W3WRG wrote a history of the Radiogram message form. I quote the article —

THE AMATEUR MESSAGE FORM

The amateur message form comes to us from a long tradition. The earliest telegrams were very formal, in the florid style of the last half of the 19th century. Even the train orders of that time began with Dear Sir and ended with Yours Truly. However, since telegraph companies charged by the word, the text soon changed to the present style.

The preamble, however, had changed greatly. At first, the date and the number of words were the only two items listed in this country. The European telegram included the time and the office call, but it was not until after the Civil War that America began using these as well. The main reason for using the group count was to be able to calculate charges for the messages, as well as to insure accuracy. Western Union still prints on its message form certain requirements for making sure that the message is transmitted accurately, that there is no guarantee for the accuracy of the message unless it is requested that the receiving operator repeat it as a check. There is still an extra charge for this service. This provision was printed on the earliest Western Union blanks as well as those of the Electric Telegraph Company in England, but the idea is far earlier than either of these. It was used by the French semaphore system before the wire telegraph.

Typesetting courtesy Letter Setters

The amateur preamble, of course, is derived from the early wireless forms. The printed marconigram blanks have much the same information which is required for the heading of amateur messages, including the service information at the bottom of the blanks.

Those ARRL numbers texts have an interesting and even longer history. In 1844, Alfred Vail was concerned about preserving the secrecy of the message and therefore prepared a series of number messages which could be selected for use by the public. Numbered texts are no longer used for secrecy, they facilitate the rapid transmission of messages.

Two of our most commonly used service abbreviations — A.S.A.P. and GBA date back to the 1840s when the early press telegraphers cut everything to the most abbreviated form in order to bypass the exceedingly high rates imposed by the telegraph companies." Louise Moreau, W3WRG.

If ARRL traffic system is not enough for you, then try Military Affiliate Radio System (M.A.R.S.) You can really do a public service by aiding our men in uniform. MARS addresses:

Air Force MARS
Chief U.S. Air Force MARS
HQ AFCS/DOYR
Scott AFB, IL 62225

Army MARS
Commander
U.S. Army Communications Command
Attn. CC OPS OM
Fort Huachuca, AZ 85613

Navy MARS
Chief, Navy Marine Corps MARS
Building 13
U.S. Naval Communications Unit
Washington, D.C. 20390

Save yourself a long distance call to headquarters. Information on the Military Affiliate Radio System is available directly from the above addresses.

(continued on Page 5)

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NOVEMBER BOARD MINUTES

The board met November 17, 1980 at the Colvins, 4610 Topaz Drive at 7:30 p.m. Those present were Dave Vierling, NØDV; Les Borst, WDØGTA; Bill Allen, NØATE Int. DV; Doug Moloney, WBØMHP; Don Lohse, KBØKQ; Ray Uherecken, AAØL; Al Bailey, ADØZ; Biz Wicky, WDØHCO; and Charleen Colvin, WBØYOB.

Bill Allen started the discussion with concerns about interference and how the committee on interference could function best. Bill referred to the editorial in the November 1980 issue of QST. Bill will write to ARRL for guidelines for handling interference so that our interference committee can parallel the efforts of ARRL.

Dave Vierling has ordered the RG8X coax and it will soon be available to those who ordered it. It is conceivable that more can be purchased at very reasonable price for club use.

Bill Allen will write the state office concerning our incorporation papers and sales tax exemption number. The board is concerned about the lack of response from the state.

Dave Vierling expressed his gratitude to club members for their support of the motion to raise the club dues to \$12 per year for single member and \$15 per year for family membership (regardless of family size).

Some interesting prizes were decided upon for the home brew winners, first and second place prizes will be awarded. There will be a raffle as usual.

Reminder of the Christmas Party will be given to members by means of phone calls from board members to other members. Please note that non-ham and non-member attendance is welcome so if you have a friend you would like to invite do so by all means.

Biz Wicky will be handling public service announcements and publicity for club functions. He will work closely with the new public service committee and the board to serve our best interests.

Doug Moloney said he will keep the board informed of bills submitted for payment so that the board may take the appropriate action.

A.E.S. Communications

404 Arrawanna
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475-7050

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COMMUNICATIONS DIVISION

The upgrading classes will begin December 2, 1980 at North Junior High School at 7 P.M. Tuesday nights will be code and Thursday will be theory class. The second novice class session will start in March or April after the upgrade class is completed.

The basketball game between the Steam Rollers, local wheelchair basketball team, and PPRAA members (in wheelchairs also) will be December 12, 1980 at Pikes Peak Community College. Those members of PPRAA who would like to play be sure to attend our practice session at PPCC on December 3, 1980 at 7 P.M. Your support will be greatly appreciated. Admission to the game on December 12 is by donation at the door.

There being no further business the meeting was adjourned to partake of refreshments. The next board meeting will be December 15, 1980 at Dave Vierling's home, 2511 N. Tejon at 7:30 P.M.

Respectfully submitted,
Charleen, WBØYOB

WANTED: transceiver or small transmitter for novice.
FOR SALE OR TRADE: Hammarlund SP-600-JX general coverage receiver (0.54-54.0 Mc) Call Larry at 596-8883 after 6 PM.

BEFORE YOU SEND OFF that order for components, try me! Large Inventory. WA4UPD, Red Bristol, 596-4574.

Tempo 1 — AC & DC supplies. Dave WBØSDW 574-2224.

FOR SALE: National NCX3 transceiver. 3 bands, 80, 40, 20. Good condition. \$275 offer. Mike Hancock WBØWUD. 632-6212.

FOR SALE: Hustler HF Mobile Ant. MO2 with 10, 15, 20, 40 meter resonators, MFJ Deluxe Versa Tuner II Model 949, Watt Meter — SWR Meter, Dummy Load, 2 coax connectors, Balun — Radom Wire. Best Offer. Frank, NØBOV, 472-6150.

de the President

First of all a special note of thanks to those who made the 2 meter clinic a success. All equipment worked beautifully and the expert advice and help is always appreciated. Hope we can do it again sometime.

Another thank you goes to Biz, WDØHCO for taking over the reins of the publicity chairman. You all know that we have been lacking in this special department and I'm sure that will change. Anyone who has information or articles of general interest about local ham activities should get them to Biz.

I'd like to bring Field Day up again. As shown in the last issue of QST, the PPRAA did a fine job. The results show us in 20th place for class 3A stations. Not too shabby — up from 45th last year. Is this a trend? Again, the novice effort is to be commended as well as the help of the Mountain Radio Club.

The Colorado Springs Steamrollers and the PPRAA are having a wheelchair basketball game on Dec. 12 at PPCC. There will be a practice session on Dec. 3 also at PPCC. Both events start at 7:00 p.m. Please come and join in on the fun!!

Homebrew night is the traditional December meeting program, and this year is no exception. What is different, however, is that we will have special prizes for the top two entries. Dig out those pet projects and bring them down. We'd like to have a big turnout.

As the year draws to an end, I would like to express my best wishes to all of you for a happy and joyous holiday season and a great new year.

73's
Dave NØDV

Ten-Ten (cont.)

meets at 0300Z Monday (Sunday local time) on 28.845 MHz. This net's primary purpose is to discuss chapter business and things of interest to amateurs such as DX, traffic handling, contests, or anything else of interest in the local community. I invite all to check into these nets, if you have a Ten-Ten number or not.

Steve KH6JMG/Q

Traffic (cont.)

This is only a slight scratch on the traffic handling sphere. I'm sure some more experienced traffic handlers could have revealed much more information to you who are interested in this phase of amateur radio — but if you are looking for something different in the public service activities, looking for a way to get involved, try your hand at message handling and traffic nets.

Many thanks to the people who turned in articles for this issue of Zero Beat. It just goes to show that there are people out there with something of interest to write about. I hope many more of you will take the initiative and keep Zero Beat one of the best newsletters in the state. Thanks again.

Don KBØKQ



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Call _____ License Class _____

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Full Member \$12.00

Family Membership \$15.00

Additional Names _____

Calls _____

Associate Member \$8.00 (Outside Teller & El Paso Counties.)

MEETING NOTICE

The December meeting of the Pikes Peak Radio Amateur Association will be on December 10, 1980 at Sabin Jr. High at 7:30 p.m. The program will be homebrew night. Everyone is encouraged to bring along their pet projects. Prizes will be awarded. Members and other interested persons are invited to attend.



Merry Christmas
and Happy New Year

CHRISTMAS PARTY!!!

The annual PPRAA Xmas Party is on for the sixth of December at the Iron Springs Chateau. The cost will be \$12.50 per person for a buffet dinner, coffee, tea or milk—tax, tip, gratuity and the show after dinner. The recommendation is to be there no later than 6:30, with dinner starting at 6:00 and the show starting at 8:30. This is so you will have time to have a leisurely dinner. The show will run for a couple of hours, with entertainment in the lounge after the show. If you want to go, please make your wishes known so that we can give the restaurant an accurate count. The dinners will be paid for that night. We think it is going to be a good time and hope to see as many of you as possible there.



Ø BEAT

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Don Lohse KB6KQ
1410 E. LaSalle
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